SPECIFICATIONS

APPLICABLE STANDARD

RATING		
VOLTAGE	30V AC/DC	
CURRENT	0.3A	
OPERATING TEMPERATURE RANGE	−35°C TO 85°C(NOTE 1)	
STORAGE TEMPERATURE RANGE	−10°C TO 60°C	
APPLICABLE CONNECTOR	BM20*(0.6)−40DP−0.4V(**)	

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	20mV AC OR LESS 1kHz,1m A.	100mΩ MAX.	X	—
INSULATION RESISTANCE	100V DC.	50MΩ MIN.	X	—
VOLTAGE PROOF	100V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	10 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 TO 10 Hz,APPROX 5min, SINGLE AMPLITUDE 0.75 mm,10CYCLES, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE −55 → +85°C TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHANBER : WITHIN 2-3 min)	① CONTACT RESISTANCE: 100mΩ MAX. ② INSULATION RESISTANCE: 50MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 100mΩ MAX. ② INSULATION RESISTANCE: 25MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
SULPHUR DIIOXIDE	EXPOSED IN 25 PPM FOR 96h,25°C,75%. (REFER TO JIS C 60068)	① CONTACT RESISTANCE: 100mΩ MAX. ② NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.	X	—

REMARKS

NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

Unless otherwise specified, refer to JIS C 5402 and IEC 60512.

HIROSE ELECTRIC CO., LTD.

SPECIFICATION SHEET

APPROVED	KH. IKEDA	13.07.11
CHECKED	WR. FUKUICHI	13.07.11
DESIGNED	RT. SHIMIZU	13.07.10
DRAWN	Hongwoo. Jo	13.07.09

PART NO.: BM20B(0.6)−40DS−0.4V(51)
CODE NO.: CL684−9313−8−51
DRAWING NO.: ELC4−347100−01

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